III B. TECH II SEMESTER REGULAR EXAMINATIONS MAY - 2023
TESTING AND AUTOMATION
(CSE – ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING)

Time: 3 hours   Max. Marks: 70

Note: Answer **ONE** question from each unit **(5 × 14 = 70 Marks)**

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UNIT-I

1. a) Explain the differences between waterfall and agile [7M] methodologies?

   b) Describe the Waterfall model and the drawback of this [7M] model.

(OR)

2. a) Describe 2-Way & 3-Way Merge Types with example.   [7M]
   b) Explain GIT Reset and GIT Revert with suitable examples. [7M]

UNIT-II

3. a) Discuss about requirement gathering and why [7M] requirements are important.

   b) Explain the different stages involved in Software testing life [7M] cycle?

(OR)

4. a) Compare Test Cases and Test Scenario.   [7M]

   b) Discuss about defect reporting with sample defect reports. [7M]

UNIT-III

5. a) State the differences among Drop, Delete and Truncate [7M] with example.

   b) Explain various DML statements with example.   [7M]

(OR)

6. a) Explain JDBC API & how to configure JDBC?   [7M]

   b) Define Rollback. Explain the importance of Rollback in [7M] TCL? Justify whether after Commit Process Rollback is possible or not?

UNIT-IV

7. a) Explain about various Selenium locators.   [7M]

    b) How to use the APIs in selenium WebDriver.   [7M]

(OR)

8. a) How do I verify API testing?   [7M]

    b) Illustrate Testing with all its annotations.   [7M]

UNIT-V

9. a) How many levels are there in Richardson Maturity Model? [7M]
        What is Level 1 of Richardson maturity model for REST
        APIs indicate?

    b) Write the test case on Amazon Sign-in.   [7M]

(OR)

10. a) What are REST constraints? Why REST is stateless? [7M]
        What is cache in REST API?

    b) Explain Rest Architecture and its methods.   [7M]

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